



RE: Avery Landing Site - Description of work to be performed on Potlatch property
 John M. Herzog
 to:
 Earl Liverman
 05/04/2012 12:19 PM
 Cc:
 Cyndy Mackey, Richard Mednick, "sghall@ene.com", Brent Stinnett, "Lorrie Scott (Lorrie.Scott@potlatchcorp.com)", "Beaton, Kevin J."
 Hide Details
 From: "John M. Herzog" <jherzog@geoengineers.com> Sort List...

To: Earl Liverman/R10/USEPA/US@EPA

Cc: Cyndy Mackey/R10/USEPA/US@EPA, Richard Mednick/R10/USEPA/US@EPA, "sghall@ene.com" <sghall@ene.com>, Brent Stinnett <Brent.Stinnett@potlatchcorp.com>, "Lorrie Scott (Lorrie.Scott@potlatchcorp.com)" <Lorrie.Scott@potlatchcorp.com>, "Beaton, Kevin J." <KJBEATON@stoel.com>

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4 Attachments



DRAFT Cross-Section 1-1.pdf



DRAFT Cross-Section 2-2.pdf



DRAFT Cross-Section 3-3.pdf



DRAFT Transition and Beach Cleanup CrossSection Site Plan.pdf

Earl,

Thank you for sending these descriptions over. Attached are drawings illustrating the Potlatch concepts for completion of the property transitions and the river bank. A few points of detail contrasting our plan:

- We agree that it is important to achieve complete removal on the Benticik and FHWA

properties as part of the transitions. We do not see the need to expand the full depth excavation further into the Potlatch property other than to provide a sufficient distance to protect the newly built roadway from the eventual re-excavation of the Potlatch-FHWA transition (reference cross section 1). At the Potlatch-Bencik transition the 1:5 slope can be tied into the property line (reference cross section 2). Minimizing the amount of penetration into the Potlatch property will lower the cost of the work being performed by EPA on the Potlatch property and help to shorten the construction duration for this work.

- With respect to the offset from the river bank our opinion is that the offset should allow for re-excavation of the transition without disturbance of the newly placed shoreline armoring. This transition should be determined in the field, however based on our (limited) understanding of the bank construction (reference cross section 3) we anticipate that the excavation will extend beyond the 10-feet from the top of bank as you note.
- Potlatch wishes to minimize the amount of backfilling on the Potlatch property. Backfilling should be completed to the extent needed to contain groundwater and prevent erosion. It is also recognized that some additional backfill may be needed to construct access roads across the transitions. Reducing the amount of backfill on the Potlatch property will lower the cost of the work being performed by EPA on the Potlatch property and help to shorten the construction duration for this work. Additionally, reducing the backfill will lower the re-excavation costs related to completing the Potlatch property excavations.

I am available to discuss these plans with your team. Please let me know how you would like to collaborate on this.

Thank you.

From: Earl Liverman [<mailto:Liverman.Earl@epamail.epa.gov>]

Sent: Thursday, May 03, 2012 3:54 PM

To: Brent Stinnett; John M. Herzog

Cc: Cyndy Mackey; Richard Mednick; sghall@ene.com

Subject: Avery Landing Site - Description of work to be performed on Potlatch property

Hello,

The property boundary transition plan is described below. The plan is intended to safeguard against the recontamination of cleanup work performed by EPA on Bencik and FHWA properties, as well as work to be performed by EPA on that portion of the St. Joe River bank adjacent to Potlatch property to safeguard the river bank against recontamination.

-- Excavation work on FHWA and Bencik properties will be performed up to the Potlatch property boundary. For the St. Joe River Bank excavation work will be performed along the section of bank where oil seeps and sheen have historically been observed and as confirmed by field observations. Due to safety considerations associated with slope stability, it is necessary to excavate portions of the Potlatch property at a 1.5H:1 V slope.

-- Once at the Potlatch property boundary and in order to ensure that contamination up to the boundary is addressed, excavation work will continue onto Potlatch property at depth (estimated at 17 to 20 feet below ground surface) for an additional horizontal interval of approximately 10 feet (or the approximate distance of the width of 2 to 3 excavator buckets). For the St. Joe River bank, excavation work will be performed back (or inland) approximately 10 feet from the top of the river bank. These intervals are intended to provide a buffer zone to prevent the recontamination of the clean backfill material placed in excavation areas.

-- At the edge of the approximate 10-foot buffer zone, a temporary slope of approximately 1.5H:1V will be laid back onto Potlatch property. This temporary slope will be laid back to allow for excavation at depth while reducing

the potential of side walls caving in.

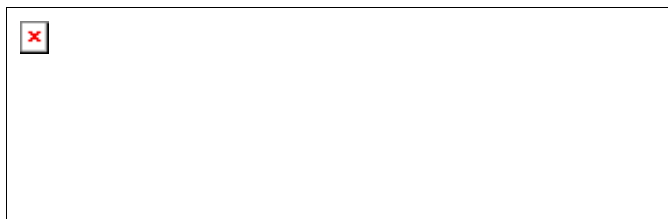
-- Once the excavation of the slope is completed, a portion of the slope will be covered, as appropriate, with a geotextile fabric as a marker layer to separate clean backfill material from contaminated material. The layers of geotextile will overlap, but the seams will not be welded.

-- Clean backfill material will then placed and compacted in excavated areas, including the transition zones as discussed herein, up to the original grade.

The attached draft drawings indicate the approximate locations of the boundary transition zones (Figure 1) and a conceptual cross section of the transition zone excavation (Figure 2).

Please contact me with any questions you may have regarding this transition plan. Thank you.

(See attached file: Figure 1.jpg) (See attached file: Figure 2.jpg)



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